PATENT ATTORNEY DOCKET NO. 10498-00012

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Applic	ation of:)
	es W. Fett en A. Olson) Before the Examiner:
Serial No.:	TBA) Art Unit:
Filed:	Herewith))
	TISENSE INHIBITION OF GIOGENIN EXPRESSION))

Assistant Commissioner for Patents

Box Patent Application

Washington, D.C. 20231

Attention: Official Draftsman

TRANSMITTAL OF FORMAL DRAWINGS

Please substitute the enclosed twenty-one (21) sheets of formal drawings for the corresponding drawings in the continuation application being filed herewith.

Please apply any other charges or credits to our Deposit Account No. 19-0733.

Respectfully submitted,

Dated: My 23, 200

John R. Iwanicki, Reg. No. 34,628 BANNER & WITCOFF, LTD.

28 State Street, 28th Floor

Boston, MA 02109 (617) 227-7111

) 1. 3.	
-1680	ATAGATTATAATTTGTAATGGAATCAACACCAAATGCAAATTAGAAAGAGAGCCCACTTTGCTCACCCAGTCACGTCTTTC
-1600	1600 CCATGTAACCATAGAACGTTGGGGTCCTGTGTCTTTCTAGATCCACAGTCTTGCTCTCAGAACAGGCTAGCCACACACA
-1520	1520 GGCCTAGTGCCAGGACCCATGGCCTTTTTTAAGCTCAGACTCCCTTCTGTGAACAGCAATATCCCCACAAATTGTACAA
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-1200	1200 ATCATAGCCAGTCATAAATTCAGTGAGTTACTCATAAACGAACAAACCACCTACTTCTTGGGGAGGTAGGT
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096-	CTAAGCTCTGCCTCCTGCCAGATCAGCAGCAGCATTAGATTCTCATAGGAGCTGGACGCCTATTGTGAACTGCCATGT
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<u>TGGTAGCCAGGATGGTCTCGATCTCCTGACCTCGTGATCCGCCCCCCTTGGCCTCCCAAAGTGCTGGGATTACAGGCGTG</u> <u>AGACCGCGCCCGGCCGT</u>CATTTGGTATGTTGTGCCTCAGGACCTAGCACAGTCCCTGGTACCCAGTAGAGACCTA Phe AGGAAGGGATTGACGAAGTGTGAGGTTAATGAGGAAGGGAAAATAGAA $\overline{1}\overline{A}\overline{1}\overline{A}\overline{A}\overline{A}$ ATTTGGTGGTGGAAAAAATCTGATTC TACTCAGTGATTCTAAGGGATGGGGAAGAACGGTTGGAGCTAGAGGTTGTGCTCAGGAAACTATTAAATAGACGTTCCGC ATGATGCCGTGTCAGAGAGCAAAGCTCCTGTCCTTTTGGCCTAATTTGGTGATGCTGTTCTTGGGTCTACCACACACCTCCT His CAC Glu Ser GIC Met Gly Leu Gly Val Leu Leu Leu Val Thr ACA TIG TAC CysTyr TTG TCC AGG $\mathrm{T} y r$ Ser Arg TTGArg Asp Asp Arg CGG GAT GAC AGA GTG ATG GGC CTG GGC GTT AAC Asp Asn GAT -20 Gln CAG ${\tt Gly}$ Val Leu Gly Leu Gly Leu Thr Pro Pro Thr Leu Ala GCTΞ. 20 CIGCAG Tyr Asp Ala Lys Pro Gln Met Val ACC CCA -24 * TTTGCCCTCCGCAGGAGCCTGTGTTGGAAGAG ATG CCG GCC AAA CCA ACC GAT CTG TAT CTG GGT His CAC Gln CAG GGT-10 Thr ACC CTGLeu CIGGIG Phe -400 -240 -320 -160 +144 +204 -80 +81 Н

GAA

TGL

TAC

350 CGG

1B

Fig.

2/21

<u>ATGTTTTAATAAA</u>TAAAAATGTCTTGATATCAGTAATCAGAGTCTTCT<u>CACTG</u>ATTCTGGGCATATTGATCTTTCCCC GluGAA GGC Asn AAC Pro CCC GlyGlu $_{\mathrm{TGT}}$ His GAA Ser TCC CAT Arg GCTIleAGA GGTAla G1yHis GGA Phe CAC G1yVal GTTHis Pro CAT Thr ACA CCTVal GTT TAA Stop CCAGCGGGCCCCTGGTCAAGTGCTGGCTCTGCTGTCCTTGCCTTCCATTTTCCCCTCTGCA Pro Asn CCG Asn Leu CTA AAC GLL AAC Val 123 Ile G1yLys Asn AAC Arg ATC GGA TGC AAG Asp Arg Cys CGTGAC Asn Arg AGA AAT Phe Phe LysLysTTC AAG Thr ACT TTC AAA 120 100 80 CysIle TGC AAC Thr ACC G1yGGG ATT Glu Asn TCA CCC GTC gag Pro Ala Gln Ser GAA Val CAG Ser Gln Cys CAG ThrACA TCA IGI Leu Asp TTG GAT I1eATC Phe TTCAla CCC Thr ACC Leu CGA Ala Ser Arg CIGGCC TCT His GlyCAC CCC TAC Lys AAG Ser TCT Tyr Arg $_{
m Gln}$ GTC I1eAAG CAG Pro Val CGG ATC Lys Arg AGA Ser Ser AGC Cys TGC CCTAGC ATA Len TTA Ile Arg AGG Arg CGC Pro CCA ${\tt Gly}$ AGA Arg ProGGC Met ATG Lys AAG CCT 110 Ile Leu CTA Asn Trp AAT ATC Asn TGG AAC +552 +612 +692 +444 +264 +324 +384 3/21

Fig. 1(

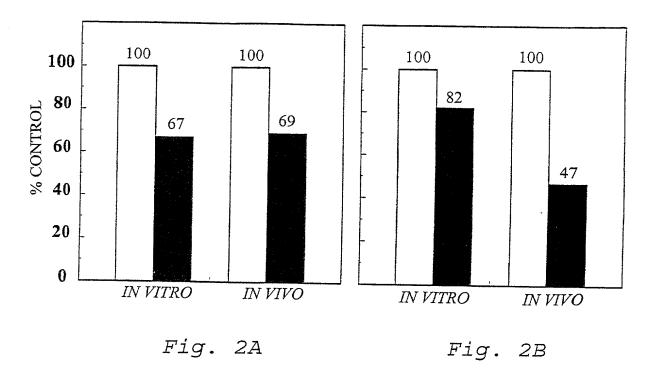
+782

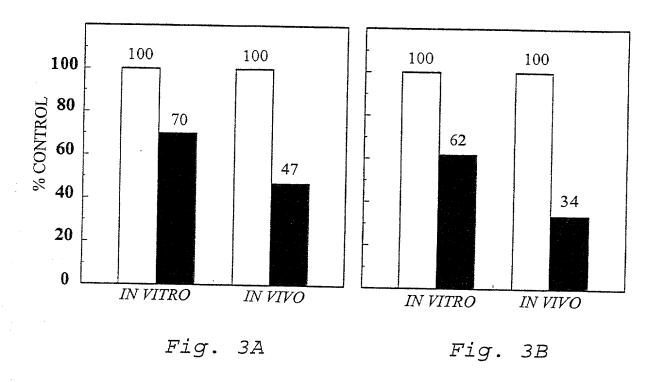
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+1662 AAGATTCCGGCCAGGCGCTTATCTCACGCTTGTAATCCAGCACTTTGGGAAGCTGAGGCGGACAGATCACGAGGTCAAGA GATCAAGACCATCCTGGACAACATGGTGAAACCTTGTCTCTACTAAAAATGTGAAAATTAGCTGGGCGTGGTGGCACACA +1822 CCTATAGICCCAGCTACTCGGGAGGCTGAGGCAGGAGAATCGCTTGAACCTAGGAGGCGGAGGTTGCACTGAGCCGAGAT +2062 AATACACTGTTCAATCTACAGACTCAGTGGTTAGCTTCCTGTTAACTAATTTCTGTTGACAGGTACTTGGATATTTTATT +1742

+2142 TAGAAAGTGGTTGCCAATAAATTAGTTATAAGTCGCCAGTTTCACTGCCTTGTGAACACATAATTATTGTGGTCTCAGTA. TTCCCTATGGTGGCTTCTCCTGCTCCTGGTATTGCCCTGAAATGGGCCAAAAGCCGTGGCTCCCCAATGCTCAGGTTATA +2382 AGCTGGTATGTGCTTAGCACAAGAATCTCTTTCCTTGGGTTAGTCTGTTTCAAAAACTGAAAACTGTTGTCATTCCTTAAG +2462 AAAATAGGAAAAAGTATTCCAAACCTCTGTCACTAGAAAATTTGCCATATTACCAAAATCTCAAAAACCTCTCAGGAAATG GAACATTGTCCAGGTACCACCTAGGAGGCCCCAGCCTCACTGAAAGTATTCAAATTTTAGGAATGGGTTTTGAGAAGTAGGT +2542 AGAAAGTCCCAGTTTCTGGTAAACTATTTGGGCCCTTTTCTCAAGTTCTCCTTCCAGTGCTATTTCCTTGAGGTGAGGCA +2622 AAGTTACTCAAGATCATCGCTGCCACTCAAGGCCTTGATAGGGCAAGTGAAAGGCATGGACCATTATTATATTTGATCACA +2702 GCATAAGCTGTGAAAACCCACATCTTCTCCAAACATCTGCTTGGAGCATTATCATCGCATAGTTTGCTCTGGTGTTTCAGG +2862 AAGCATTCCTAGTCCTTTTTGGTCTGGGCCTCTTGTTCTATCACAACCACAAGCTGTTTAAAATAAAAACGTCAAGTCAC +2782 GAAATCGCTGTTTCATAGGAAATCACATGGCAGTGGATGGGAGTGTTTCCTGACCTGCCGATGGTACTGGCACCTGACC +2942 AGGCAGGTCATTTTATCCTGCGTGAATCAATTGAAG +2302

Fig. 1E





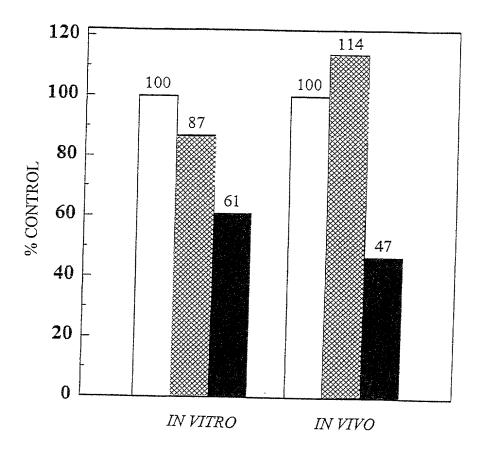


Fig. 4

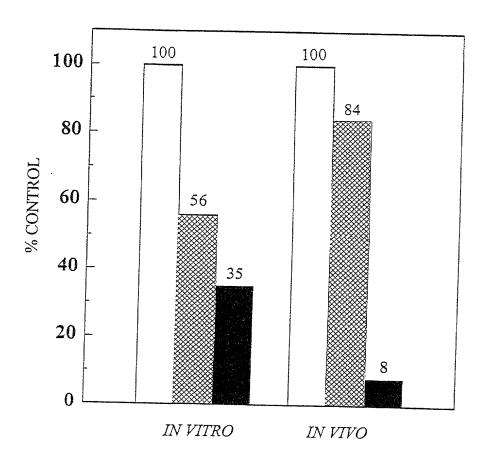


Fig. 5

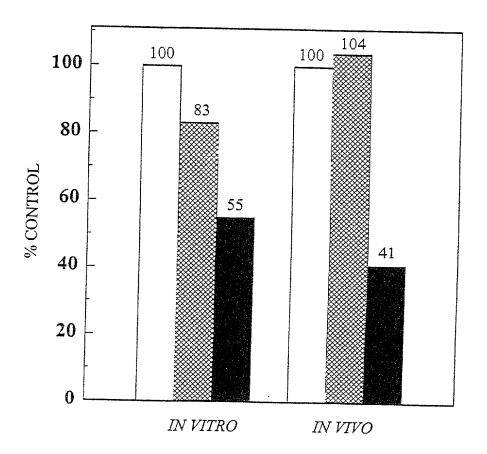


Fig. 6

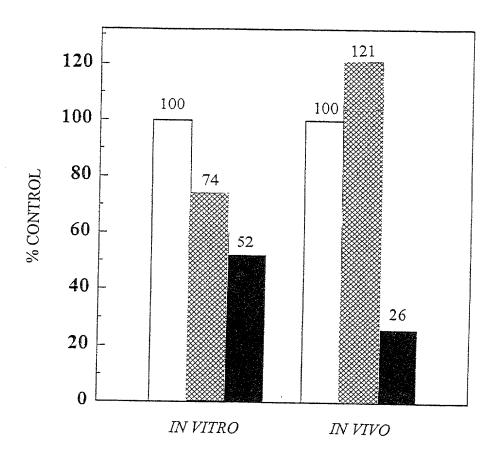


Fig. 7

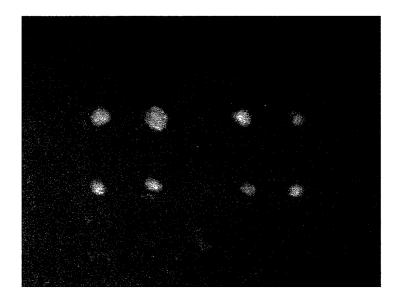


FIG. 8

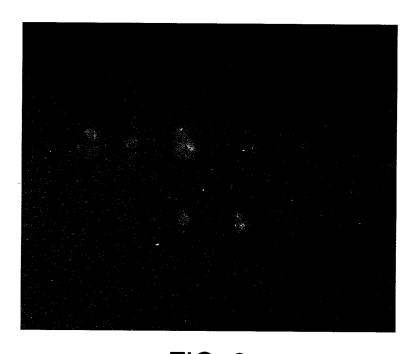


FIG. 9

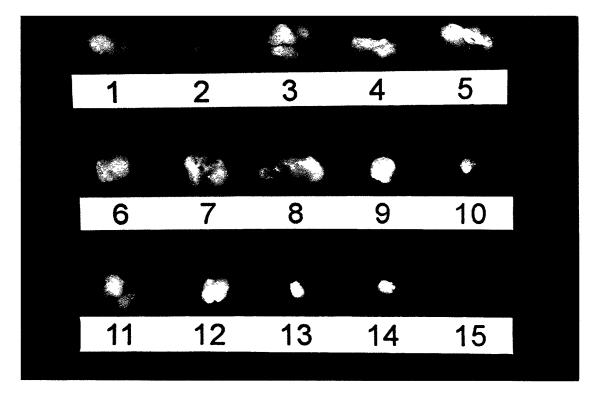


FIG. 10

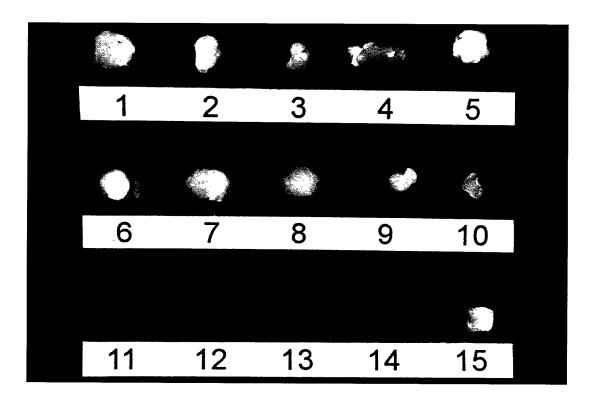


FIG. 11

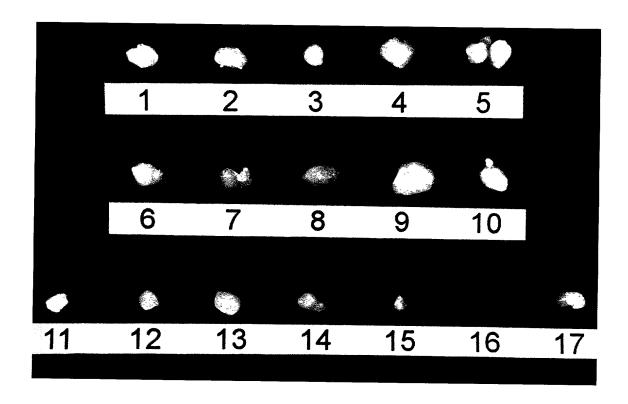


FIG. 12

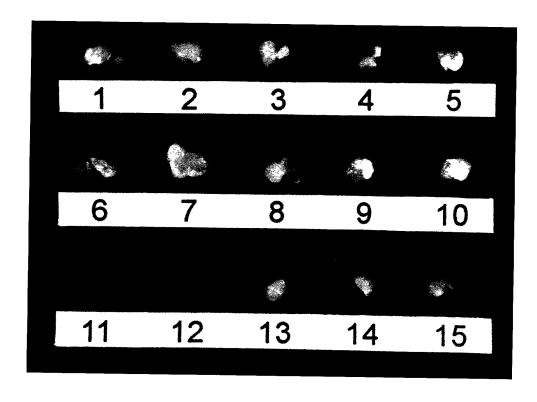


FIG. 13

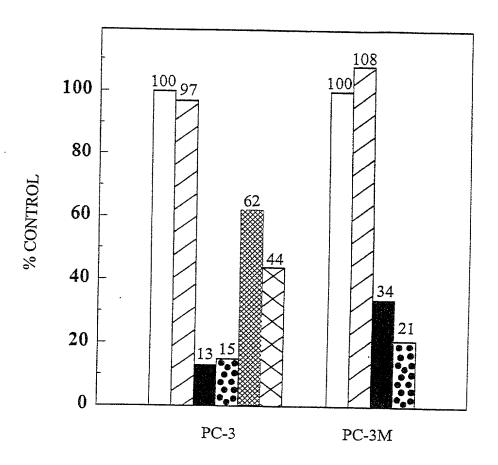


Fig. 14

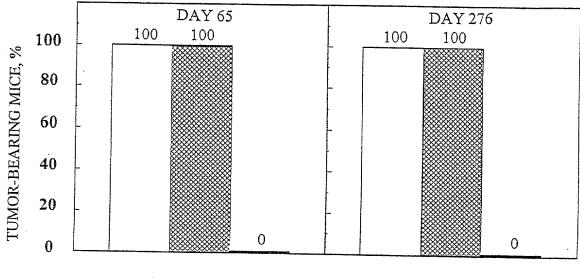


Fig. 15A

Fig. 15B

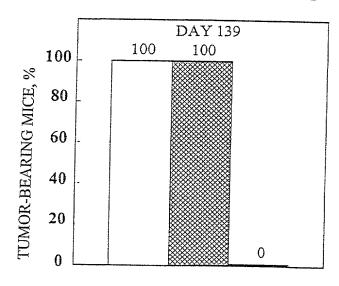


Fig. 15C

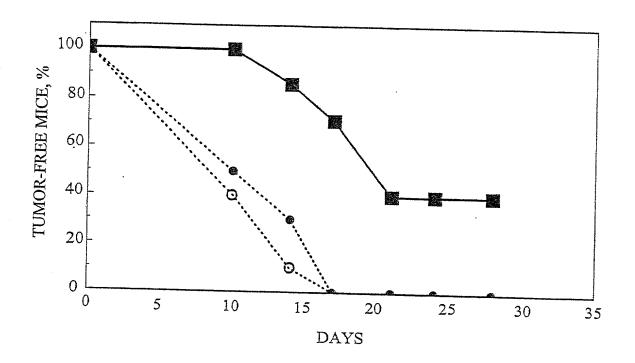


Fig. 16

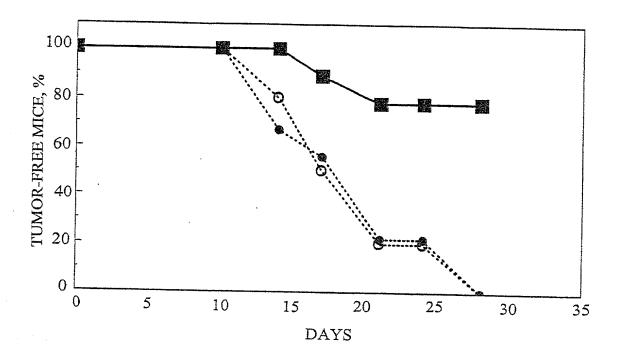


Fig. 17